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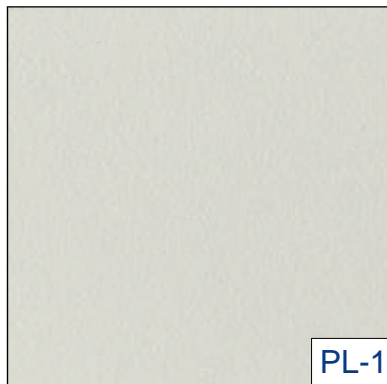
3.8.2 Patient and Task

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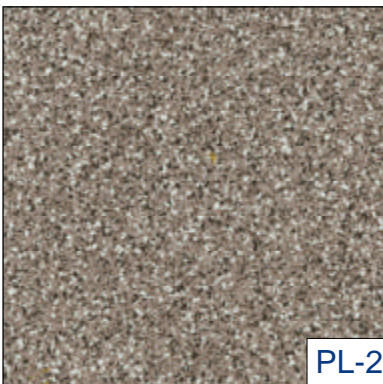
3.9 Manufacturer's Summary

Color and Pattern Options

NEUTRAL



Goelst, Pumice 108
Bases and vertical surfaces



Goelst, Crystal Sandstorm 202
Tops and horizontal surfaces



Nevamar, #S-2-69T Bethany
Beige Textured
Bases and vertical surfaces



Nevamar, #MR-6-8T Birch
Matrix Textured
Tops and horizontal surfaces

3.1.1 Specification Guidelines for Plastic Laminates

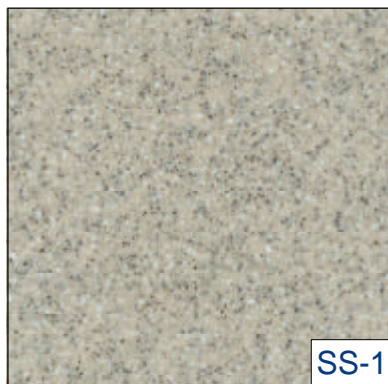
- Description/ Type/ Construction** • Laminate is manufactured by pressing melamine resin impregnated pattern paper over layers of phenolic resin impregnated kraft paper. The back is then sanded to maintain a uniform thickness and to facilitate bonding. Goelst is a manufacturer of fixed modular casework, and is a MEDCOM standard with its own plastic laminate finishes. Goelst's plastic laminates cannot be purchased separately.
- Dimensions** • **Sheet sizes:** (Nevamar)
Width- 48" (1219mm), and 60" (1524mm);
Length- 96" (2438mm), 120" (3048mm), and 144" (3658mm);
Thickness- 0.030" (0.76mm) nominal 0.005" (0.13mm).
- Testing** • ANSI (American National Standard Institute), NEMA (National Electrical Manufacturers Association) Publication LD3.1-1995.
- Accessories/ Options** • Available in a full range of solid colors and patterns.

 - High Gloss, Textured Gloss, chemically resistant finishes.
 - Static dissipative.
- Installation** • Laminate should be bonded to core material such as plywood, particleboard, flake board or metal using adhesives and techniques as recommended by reliable adhesive manufacturers, and American National Standards for Fabricated High Pressure Decorative Laminate Countertops ANSI A161 2-1979.

 - Goelst is the preferred product.
 - The use of High Gloss finish laminate is strongly discouraged.
 - Solid color laminates to be used for base and vertical surfaces; speckled pattern to be used for countertop and horizontal surfaces only.
- Comparable Products** • Wilsonart.

Color and Pattern Options

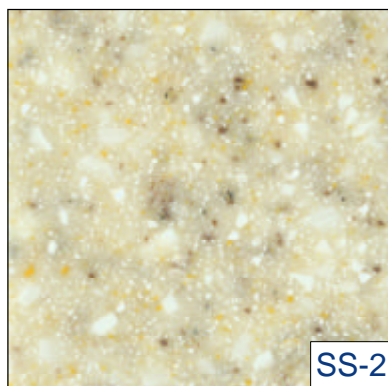
NEUTRAL



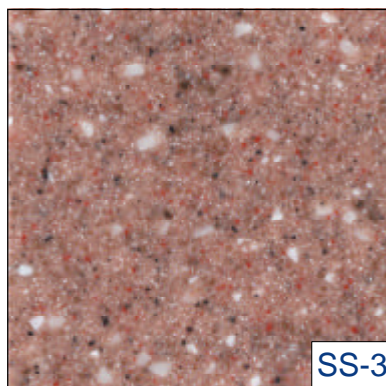
Fountainhead, Gray Mist Matrix

*Upgrade from plastic laminate
countertops*

WARM ACCENTS

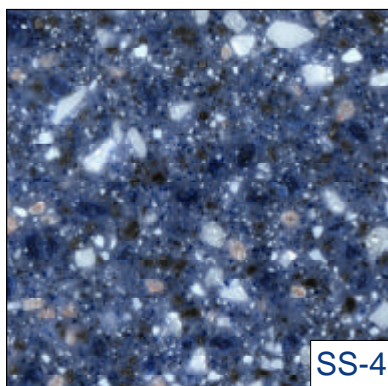


Corian, Sahara

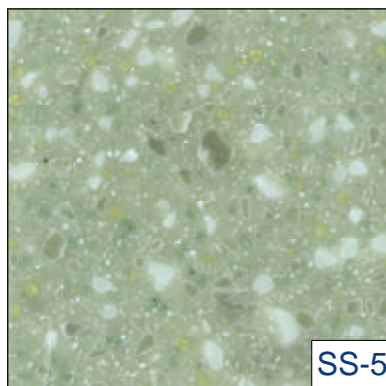


Corian, Sequoia

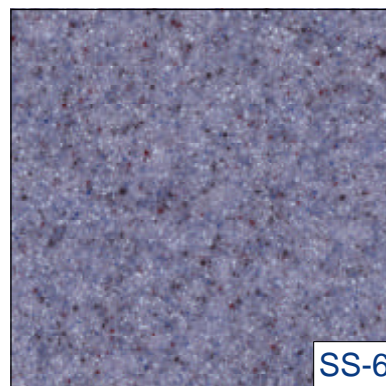
COOL ACCENTS



Corian, Mediterranean



Corian, Caribbean

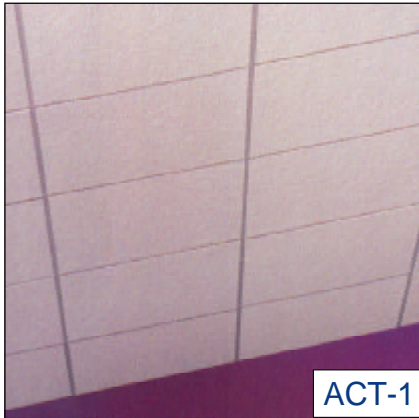


Corian, Lavender

3.1.2 Specification Guidelines for Solid Surfaces

- Description/ Type/ Construction • Solid surfaces are homogeneous, neither coated nor laminated and can be used to form a smooth, inconspicuous seam.
- Dimensions • **Thickness:** shall be 1/2" (12.3mm) or 3/4" (19mm) for horizontal applications. Backsplashes, where specified, shall be 1/4" (6mm) thick unless otherwise specified. Solid surface material size: 30" (762mm) Width x 145" (3683mm) Length. For applications wider than 30" (762mm) or that require a seam, seam shall be smooth and inconspicuous.
- Testing • **Fungus and Bacteria Resistance:** ASTM-G-21 and G-22.
 - **Fire Test Data:** ASTM-E-84 and NFPA255.
 - **Tensile Strength:** ASTM-D-638.
 - **Stain Resistance:** ANSI-Z124.3 & Z124.6.
- Accessories/ Options • Solid Surface Adhesive.
 - Solid Surface Silicone Sealant.
- Installation • Solid Surface products are fabricated in the shop or on site.
 - This is an upgrade from plastic laminate countertops.
 - Installation shall be in a professional manner, in accordance with the manufacturer's instructions.
- Comparable Products • Not Applicable.

Detail Options



Armstrong, Ultima, Tegular Edge
#1911

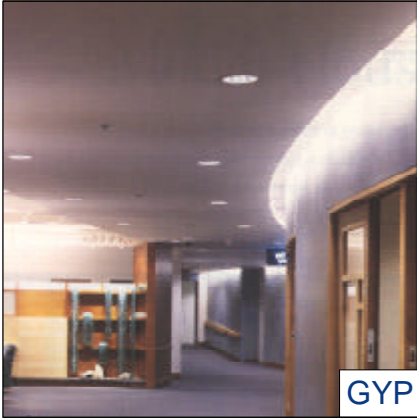


Armstrong, Fine Fissured
Ceramaguard Perforated #607

3.2.1 Specification Guidelines for Acoustical Ceiling Tile

- | | |
|------------------------------------|---|
| Description/ Type/
Construction | <ul style="list-style-type: none"> • Acoustical Tile or lay-in tile are sound controlling tile units consisting of wet-formed mineral fiber with painted face. Tiles are mechanically mounted on a suspended ceiling system. • Edge Detail: Tegular Edge. • Finish: Factory-applied standard white finish. • Suspension System: L-Standard, fire-resistive, exposed grid or concealed grid. Exposed surfaces shall be aluminum or steel with a factory applied white baked enamel finish. |
| Dimensions | <ul style="list-style-type: none"> • Each Tile Nominal Size: 24" (600mm) x 24" (600mm), thickness of 0.75" (19mm) for the Ultima; and 24" (600mm) x 24" (600mm), thickness of 0.625" (15mm) for the Ceramaguard. Grid face size for both styles is 0.9375" (23.8mm). |
| Testing | <ul style="list-style-type: none"> • ASTM E 1264-98. |
| Accessories/ Options | <ul style="list-style-type: none"> • Noise reduction/acoustics options. • Antimicrobial treatments. • Soil and Scratch resistant. • Alternative Materials to acoustical ceiling tile are gypsum board, as referenced in subsequent sections, and metal and wood. Note: Please reference local codes and regulations before using metal and wood in health facilities. Metal and wood finishes are not appropriate for all applications and can be very costly. • Ceramaguard. |
| Installation | <ul style="list-style-type: none"> • Suspension system and panels will be installed in accordance with the manufacturer's instructions and in compliance with ASTM C 636 and local regulations. • ACT-1 and ACT-2 ceiling tiles shall be installed in accordance with locations shown in Military Handbook 1191. |
| Comparable Products | <ul style="list-style-type: none"> • USG |

Gypsum Board

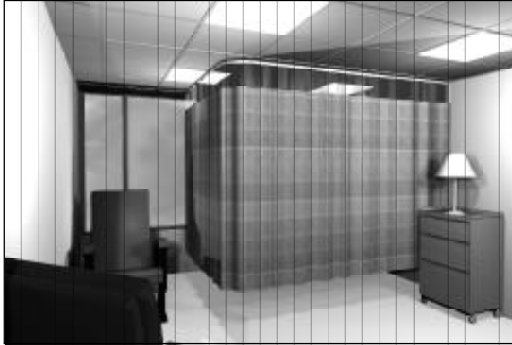


Gypsum Board ceiling

3.2.2 Specification Guidelines for Gypsum Board Ceilings

- | | |
|------------------------------------|---|
| Description/ Type/
Construction | <ul style="list-style-type: none"> • Gypsum Board is an economical product for the walls and the ceiling, easily installed and accommodates a variety of decorative treatments. It is appropriate for areas such as Main Building Entries and Main Lobbies as well as certain clinical areas as identified in Military Handbook 1191. • Finish: standard white finish. |
| Dimensions | <ul style="list-style-type: none"> • Available in 6' to 16' L (1.83m to 4.88m) x 4' W (1.22m) sheets. |
| Testing | <ul style="list-style-type: none"> • ASTM C 1396. |
| Accessories/ Options | <ul style="list-style-type: none"> • Noise reduction/ acoustics options. • Water-resistant treatments. • Sag-resistant. • Noncombustible. • Joint Tape. • E-Z Strip Expansion Tape. |
| Installation | <ul style="list-style-type: none"> • Installation shall be in accordance with: <ul style="list-style-type: none"> GA-216 "Recommended Specifications for Application and Finishing Gypsum Board" published by the Gypsum Association. • ASTM C 840 "Application and Finishing of Gypsum Board", CSA A82.31-M "Gypsum Board Application". • ASTM C 754 "Installation of Steel Framing Member to Receive Screw-Attached Gypsum Board". • Gypsum Board ceilings installed in operating rooms are to be painted using epoxy paint. • Gypsum Board finishing to be Level 5. |
| Comparable Products | <ul style="list-style-type: none"> • Not Applicable. |

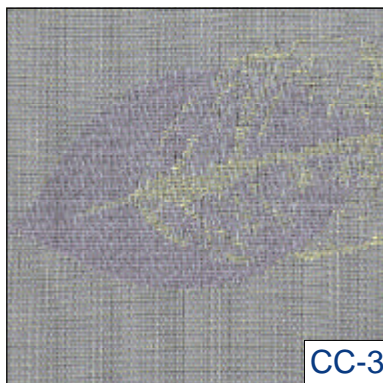
Color and Pattern Options



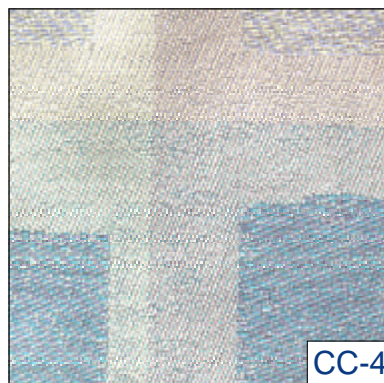
Maharam, Leaflet 502407, 001
Sunset



Maharam, Calando 502403, 001
Arroyo



Maharam, Leaflet 502407, 003
River



Maharam, Calando 502403, 005
Sky

WARM ACCENTS

COOL ACCENTS

3.3.1 Specification Guidelines for Cubicle Curtains

- Description/ Type/ Construction • 100% Trevira CS Polyester is inherently fire retardant; top of curtain will be 1/2" nylon mesh for compliance with fire safety codes. Multi-colored curtains are recommended for Exam Rooms and Patient Rooms so that soil is less visible.
- Dimensions • **Width:** 72" (182.88cm).
Repeat: 11"V (27.94cm), 72"H (182.88cm) for Calando series, and 19.5"V (49.53cm), 10.875"H (27.62cm) for Leaflet series.
- Testing • **Flammability:** ASTM E-84, NFPA Bulletin 701, California TB117 Sec E. Class A unadhered.
 - **Abrasion:** 50,000 Double rubs.
 - **Tensile Strength:** 25 lbs. each direction.
 - **Piling Text:** Class 4.
 - **Fadeometer Lightfastness Test:** Class 4 2 60 hour.
- Accessories/ Options • Mounted or suspended track.
- Installation • Cubicle curtains are fabricated to hang 14" to 16" above the floor. The tracks are either mounted on or suspended from the ceiling. To determine the length of the curtain, measurements are taken from the track to the floor and 14" to 16" is deducted from that measurement.
 - Cubicle curtains will be 1/2" open nylon mesh drop, with grommets placed every 6" apart across the top of the curtain.
 - Cubicle curtains can be standard in size and "train tracked" (the last grommet of the curtain shares the same carrier as the first grommet of the 2nd cubicle curtain).
- Comparable Products • Not Applicable.

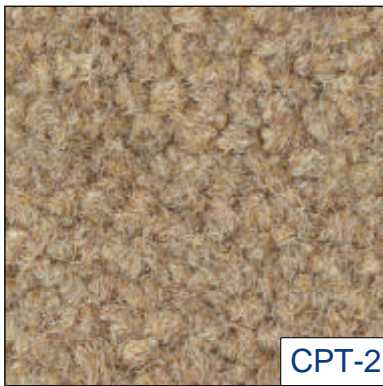
Color and Pattern Options



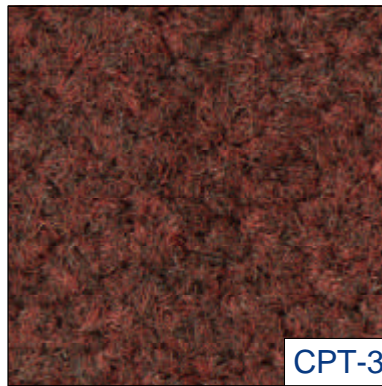
Field Carpet (installed)



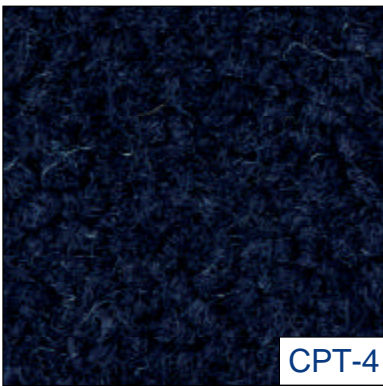
Interface, Marrakesh, Bedouin #1723



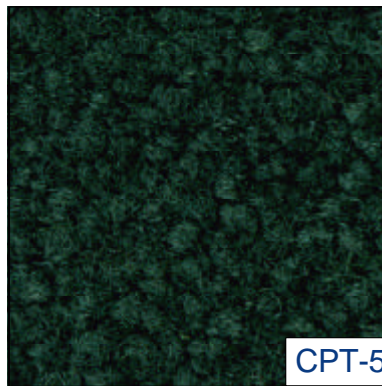
Interface, Notes, Cocoon #3749



Interface, Notes, Orangutan #3755



Interface, Notes, Night #3730

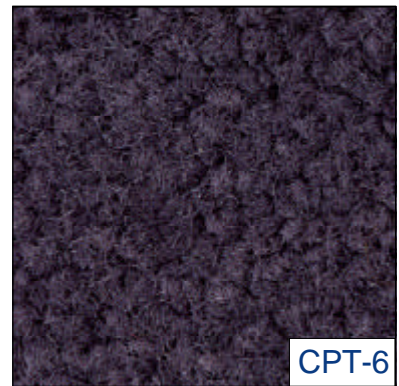


Interface, Notes, Pickle #3735

FIELD CARPET

WARM ACCENTS

COOL ACCENTS



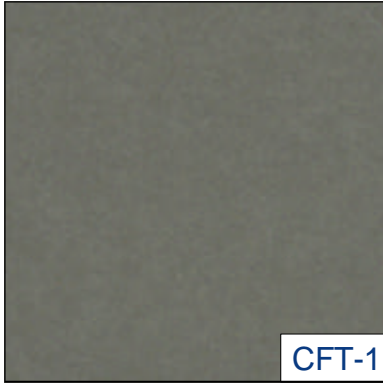
Interface, Notes, Trumpet Vine #3763

3.4.1 Specification Guidelines for Carpet

- Description/ Type/ Construction • Contract grade modular carpet tiles are preferred; broadloom or roll goods are also available. Carpet to be multi-color in medium to medium dark tones with non-directional pattern.
- Dimensions • **Tile:** 19.69" x 19.69" (50cm x 50cm), Broadloom or roll goods available.
- Testing • **Performance Requirements:** in accordance with Department of the Army CEGS-09680 (October 1999) U.S. Army Corps of Engineers.
 - **Static Control:** AATCC TM 134.
 - **Flammability and Critical Radiant Flux Requirements:** ASTM E 648 - Class 1.
 - **Tuft Bind:** ASTM D 1335.
 - **Antimicrobial:** AATCC TM 174.
 - **Colorfastness to Crocking:** AATCC TM 165.
 - **Colorfastness to Light:** comply with AATCC TM 16 Test option E "Water Cooled Xenon-Arc Lamp, Continuous Light".
- Accessories/ Options • Accent carpet tiles and borders should be used for wayfinding patterns in major intersections and lobbies.
- Installation • Carpet installation is anticipated to last approximately 5-10 years in MEDCOM facilities when maintained in accordance with manufacturer's cleaning recommendations. High traffic areas may require re-carpeting or repair more frequently.
 - Direct Glue Down. Adhesives must be certified as odorless. The Volatile Organic Compound (VOC) content and odor issues associated with adhesives must comply with applicable federal, state, or local air quality requirements. Consult with environmental health and safety codes.
 - Install carpet tiles using manufacturer's recommended release adhesive.
 - Carpet tiles are preferred for ease of maintenance and when using systems furniture.
- Comparable Products • Not Applicable.

Color Options

NEUTRAL



Daltile, Keystones, #D026 Dark Gray (unglazed)

3.4.2.1 Specification Guidelines for Ceramic Floor Tile

- Description/ Type/ Construction • Made of unglazed porcelain (matte). Color is consistent throughout and is suitable for a wide range of applications. All applications except polished comply with ADA recommendations for accessible routes.
- Dimensions • **Tile:** 2" (50.8mm) Wide x 2" (50.8mm) Length, and thickness of 0.25" (6.35mm).
- Testing • All tile to comply with ANSI A137.1 for all types, compositions and grades of tile.
 - **Static Coefficient of Friction:** ASTM C 1028.
 - **Water Absorption:** shall be 0.5 maximum ASTM C 373.
- Accessories/ Options • Cove Base, Bullnose, Outside Cove Corner.
- Installation • Install ceramic floor tiles with epoxy grout at locations where bacterial contamination and stain concerns are present. Epoxy grout eliminates the need to seal the grout. Use medium to dark neutral color grout for floors.
 - Installation of ceramic floor tiles will be in accordance with TCA-01.
- Comparable Products • American Olean.

Color Options



WALL

MAPEI 39: KERAPOXY, Ivoire



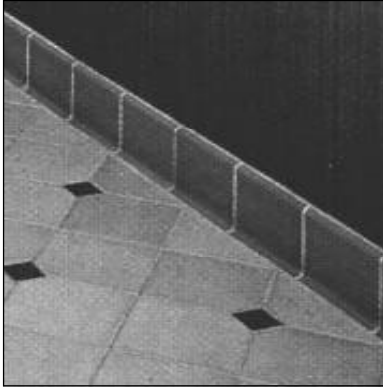
FLOOR

MAPEI 11: KERAPOXY, Beige Sahara

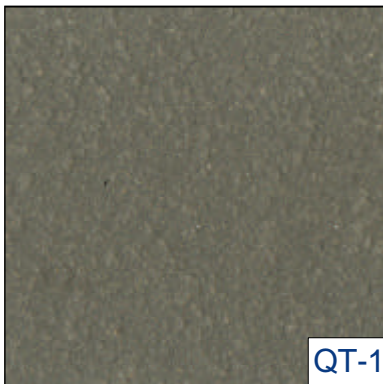
3.4.2.2 Specification Guidelines for Tile Grout

- Description/ Type/ Construction • A solvent-free, non-allergenic, two-component, epoxy grout and mortar that is water-cleanable, stain and chemical resistant.
- Dimensions • Coverage varies.
- Testing • Epoxy Grout exceeds ANSI 118.3 requirements for 100% solids chemical resistant grout and mortar.
- Accessories/ Options • Sanded Grout, Unsanded Grout.
- Installation • Wall grout to be lighter neutral in color.
• Floor grout to be the darker neutral color for cleaning purposes.
• Use 100% solid epoxy mortar and grout wherever complete stain or chemical resistance is required.
- Comparable Products • TEC.

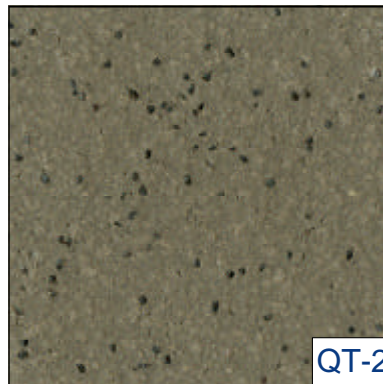
Color and Pattern Options



Quarry Tile Base



American Olean, Quarry
Naturals, N46 Shadow Gray



American Olean, Quarry
Naturals, N46 Shadow Gray,
Abrasive Grain

NEUTRAL

3.4.2.3 Specification Guidelines for Quarry Tile

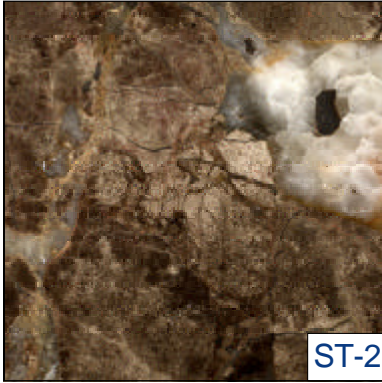
- Description/ Type/ Construction • Unglazed pavers are naturally stain- and slip-resistant, and are available with abrasive grain for even greater traction. Quarry tile tends to be more expensive than other materials and is usually set in mortar and finished with grout seams.
- Dimensions • **Tile:** 3.875" x 8" (9.8cm x 20.3cm), 6" x 6" (15.2cm), and 8" x 8" (20.3cm) in smooth finish only, and 6" x 6" (15.2cm) and 8" x 8" (20.3cm) in abrasive finish.
- Testing • ANSI 137.1 section 6.3 for glazed quarry tile, ANSI 137.1 section 5.2 for unglazed quarry tile.
 - **Chemical Resistance:** ASTM C650.
 - **Coefficient of Friction:** ASTM C1028, minimum value of 0.6.
- Accessories/ Options • Quarry tile base.
 - Flooring can be ordered with abrasive finish for use on ramps.
- Installation • Installation of quarry tile is to be in accordance with ANSI A-108.4 and manufacturer's recommendations.
 - Flooring shall be cut to and fitted around, all permanent fixtures, built-in furniture and cabinets, pipes, and outlets.
- Comparable Products • Not Applicable.

Color Options

NEUTRAL



Light Classic Marble



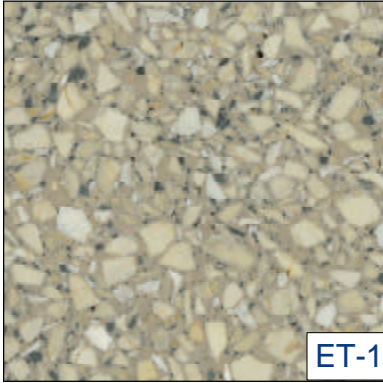
Dark Marble

3.4.2.4 Specification Guidelines for Stone

- Description/ Type/ Construction • Natural and manufactured stone is expensive and requires special care.
- Dimensions • Varies.
- Testing •
 - **Abrasion:** ASTM C 241.
 - **Absorption:** ASTM C 97.
 - **Compressive Strength of Stone:** ASTM C 170.
 - **Flexural Strength:** ASTM C 880.
- Accessories/ Options • Not Applicable.
- Installation •
 - If manufactured stone or stone tile is used it should be flame-finished or provided with a similar slip-resistant finish to avoid becoming a slip hazard when wet.
 - Do **not** use limestone or other highly porous stone products that stain easily.
 - Confine the use of stone flooring to public and high visibility areas (e.g. Main Building Entries, Main Lobbies, Main Waiting Areas, etc.).
 - Materials specified for the sealing and care of finish floors (especially clay tile, stone, etc.) should be carefully reviewed by the environmental services department for compatibility with existing facility maintenance materials and methods.
- Comparable Products • Not Applicable.

Color Options

NEUTRAL



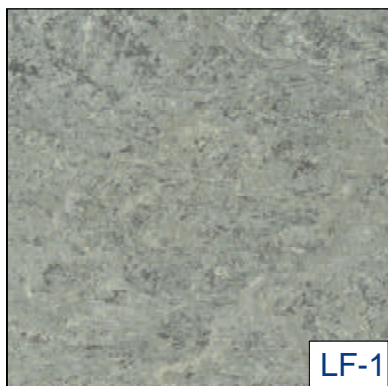
Neutral Terrazzo

3.4.2.5 Specification Guidelines for Epoxy Terrazzo

- Description/ Type/ Construction • An epoxy resin mix poured composite material that consists of a cementitious and chemical binder with chips of quartz, marble, and granite. Epoxy terrazzo is poured, cured, ground and polished in order to produce a textured surface that is even.
- Dimensions • Varies according to aggregate size and substrate conditions.
- Testing •
 - **Flammability:** ASTM-D-635.
 - **Thermal Coefficient of Linear Expansion:** ASTM-D-696.
 - **Tensile Strength:** ASTM D-638.
- Accessories/ Options • Not Applicable.
- Installation •
 - Initial cost is high.
 - Materials furnished shall meet National Terrazzo and Mosaic Association specifications.
 - Installation shall be in accordance with the National Terrazzo and Mosaic Association standards.
 - Terrazzo floors in Lobbies can incorporate an integral, wood, or stone base cove.
 - Please note that Terrazzo is a custom product.
 - Epoxy terrazzo floors shall be installed in accordance with locations shown in Military Handbook 1191.
- Comparable Products • Not Applicable.

Color and Pattern Options

NEUTRAL

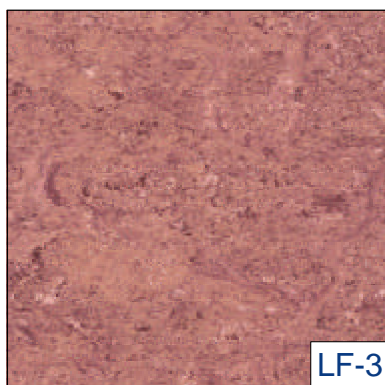


Armstrong, Marmorette, #19053
Gull Gray

WARM ACCENTS

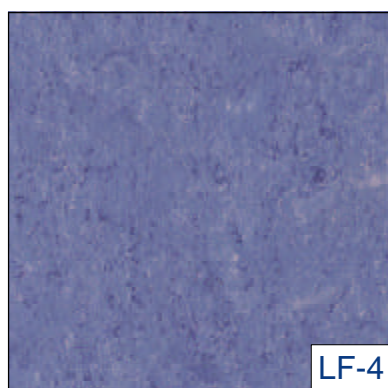


Armstrong, Marmorette, #19040
Cream

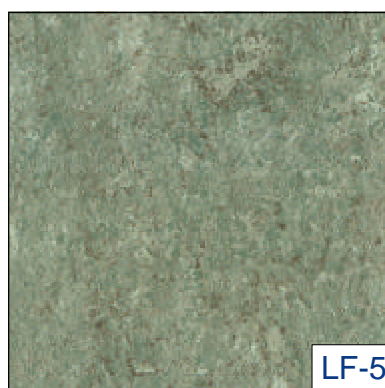


Armstrong, Marmorette, #19047
Coral

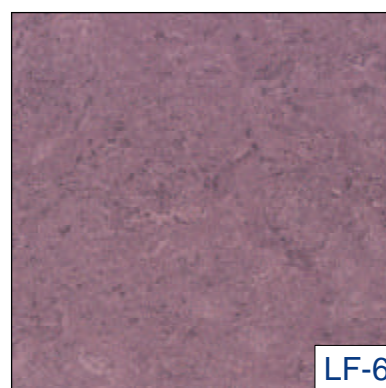
COOL ACCENTS



Armstrong, Marmorette, #19017
Plum



Armstrong, Marmorette, #19038
Jade



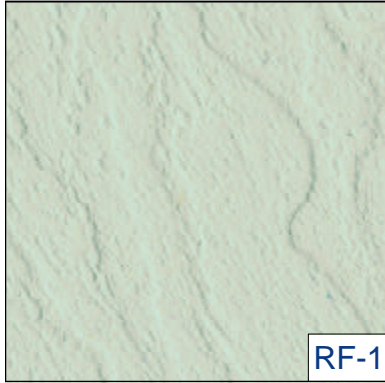
Armstrong, Marmorette, #19014
Mauve

3.4.3.1 Specification Guidelines for Linoleum

- | | |
|---------------------------------|---|
| Description/ Type/ Construction | <ul style="list-style-type: none"> Homogenous on-layer linoleum on a natural jute backing. Pattern/color extends through the thickness to the jute backing. A natural product composed of wood flour, cork dust, linseed oil, natural resins and pigments. |
| Dimensions | <ul style="list-style-type: none"> Sheet Linoleum: 6.5' (2.0m) Wide x 98.4' (30m) maximum Length. Tile: 18.9" (48cm) Wide x 18.9" (48cm) Length, 23.6" (60cm) Wide x 23.6" (60cm) Length. |
| Testing | <ul style="list-style-type: none"> ASTM F 2034, Standard Specification for Sheet Linoleum Floor Covering. Fire Test Data: ASTM E 648 Critical Radiant Flux Class I - 0.45 or more watts/cm² ASTM E 662 Smoke Developed 450 or less. Static Load Limit: ASTM F 970 (modified) 250 psi (17.6 kg/cm²). |
| Accessories/ Options | <ul style="list-style-type: none"> When installing sheet linoleum, it is necessary to provide welding rod product by the manufacturer of the resilient flooring as intended for hot welding of seams (not required for tiles). Color shall be compatible with field color of flooring as indicated. |
| Installation | <ul style="list-style-type: none"> Incorporate an integral cove base when possible or use in conjunction with resilient cove base. Heat weld seams to provide barrier against penetration of dirt and moisture. Flooring shall be fitted to the room by hand cutting, straight scribe in, or pattern instructions. Flooring shall be cut to and fitted around, all permanent fixtures, built-in furniture and cabinets, pipes, and outlets. Seams shall be cut by overlap or underscribe as recommended by the manufacturer. |
| Comparable Products | <ul style="list-style-type: none"> Forbo. |

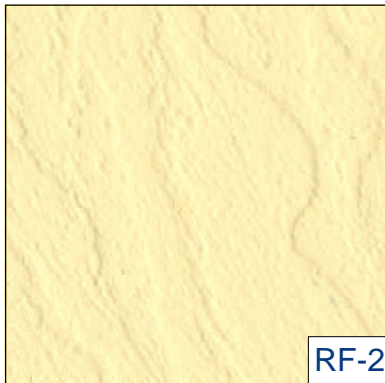
Color and Pattern Options

NEUTRAL

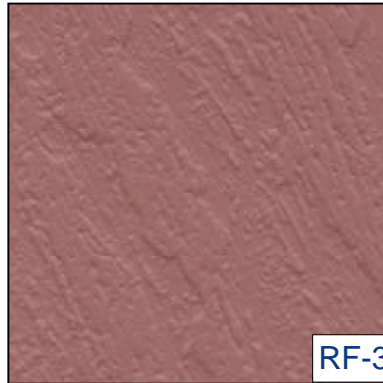


Roppe, #P141 Sage, Slate Design #991

WARM ACCENTS

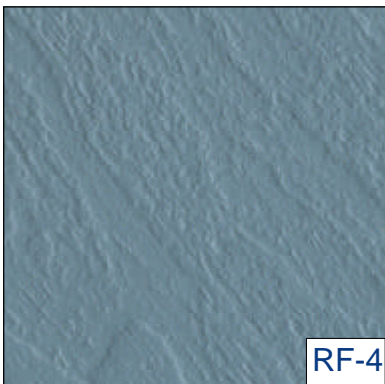


Roppe, #P145 Maize, Slate Design #991

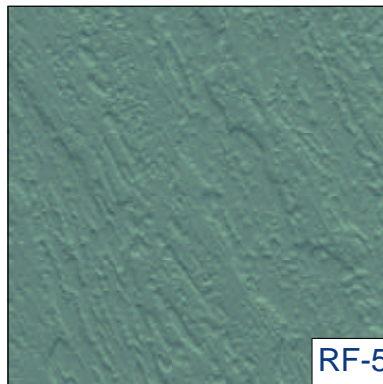


Roppe, #P153 Malt, Slate Design #991

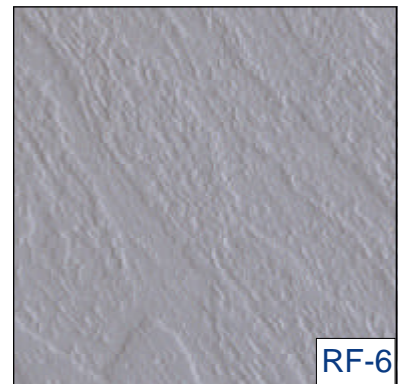
COOL ACCENTS



Roppe, #P154 Salem Blue, Slate Design #991



Roppe, #P168 Deep Water, Slate Design #991

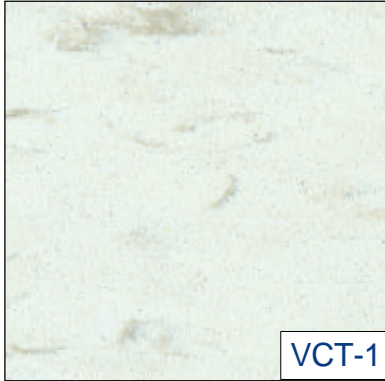


Roppe, #P142 Jimson, Slate Design #991

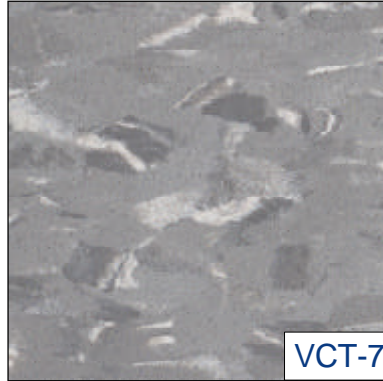
3.4.3.2 Specification Guidelines for Rubber Flooring

- Description/ Type/ Construction • Rubber compound of synthetic butadiene-styrene type. Superior to vinyls in quality but less resistant to grease and alkalis.
- Dimensions • **Tile:** 19 11/16" x 19 11/16" (50cm x 50cm), and thickness 1/8" (3.175mm).
- Testing •
 - ASTM F 1913.
 - **Fire Test Data:** ASTM E-648 Critical Radiant Flux, Class I - 45 or more watts/ cm².
 - ASTM E 662 Smoke Developed 450 or less. Numerical flammability ratings alone may not define the performance of the product under actual fire conditions. These ratings are provided only for use in the selection of products to meet the specified limits.
 - **Static Load Limit:** ASTM F 970 (modified) 750 psi (52.73 kg/ cm²).
- Accessories/ Options •
 - Matching Feature Strips are available for custom designs.
 - Raised design, smooth finish, and other textures and patterns are available. Light or minimal texture is recommended as the most ideal raised surface design. Raised designs provide under foot traction, however, they should be carefully researched for proper installation to avoid "tripping" hazards and to allow for easy movement of equipment and pedestrian traffic. Raised designs also allow liquids and debris to drain which reduces slipping hazards.
- Installation •
 - Installs quickly over a clean and dry subfloor.
 - Rubber flooring is not recommended for Served or Dining Areas.
- Comparable Products • Endura (Tile).

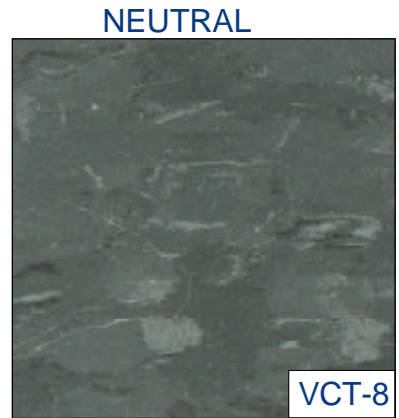
Color and Pattern Options



Armstrong, Imperial Texture,
Standard Excelon #51899 Cool
White



Armstrong, Imperial Texture,
Standard Excelon #51904
Sterling

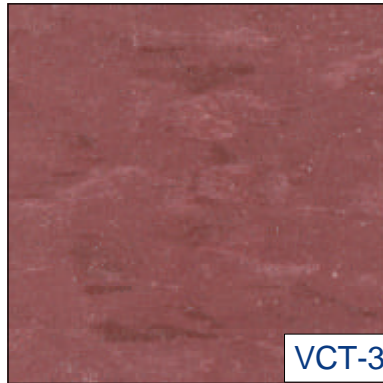


Armstrong, Imperial Texture,
Standard Excelon #51915
Charcoal

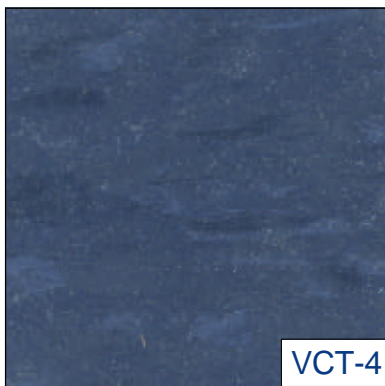
WARM ACCENTS



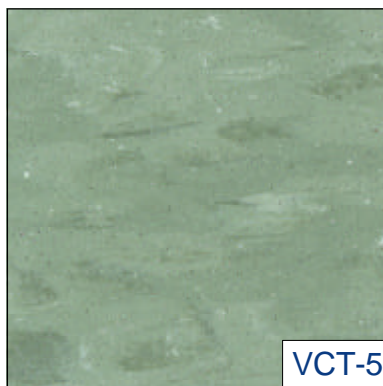
Armstrong, Imperial Texture,
Standard Excelon #51800
Buttercream Yellow



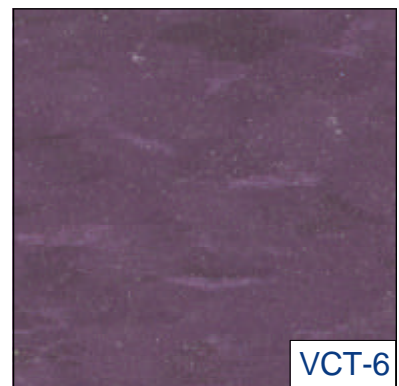
Armstrong, Imperial Texture,
Standard Excelon #51943
Cayenne Red



Armstrong, Imperial Texture,
Standard Excelon #51946
Gentian Blue



Armstrong, Imperial Texture,
Standard Excelon #51808 Lichen
Green



Armstrong, Imperial Texture,
Standard Excelon #51944 Tyrian
Purple

3.4.3.3 Specification Guidelines for Vinyl Composition Tile

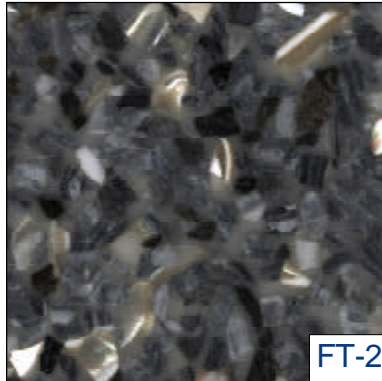
- Description/ Type/ Construction • Flooring is composed of polyvinyl chloride resin binder, fillers, and pigments with colors and texture dispersed uniformly throughout its thickness. The pattern is tone-on-tone grained visual with a textured, multidimensional look.
- Dimensions • **Tile:** 12" x 12" Square (305mm x 305mm). 1/8" Gauge (3.2mm).
- Testing •
 - ASTM F 1066.
 - ASTM E-648 Critical Radiant Flux 0.45 Watts/cm² or more, Class 1.
 - ASTM E 662 Smoke- 450 or less.
- Accessories/ Options • Available in a variety of colors and textures.
- Installation •
 - Seams are numerous and cannot be welded.
 - Provide transition/ reducing strips tapered to meet abutting materials.
 - Butt joint adjacent tiles.
 - Suitable for application over concrete, terrazzo, and other dry, structurally sound monolithic subfloors which are suspended on grade or below grade.
- Comparable Products • Mannington Essentials.

Color and Pattern Options

NEUTRAL



Fritz Industries, FritzTile Vibrant
Pearl 5500 Series, #VP5514
Winter White



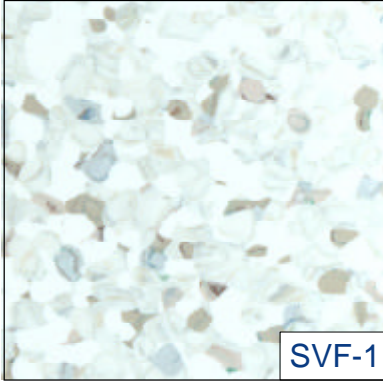
Fritz Industries, FritzTile Vibrant
Pearl 5500 Series, #VP5593
Noble Gray

3.4.3.4 Specification Guidelines for Flexible Tile

- Description/ Type/ Construction • Flexible flooring or terrazzo tile is composed of a mixture of granite or marble stone and resin. Vinyl gives this tile flexibility and resilience. A cost effective alternative to granite and terrazzo flooring. Highly resistant to most stains, scuffs, mild acids and alkalis.
- Dimensions • **Tile:** 11.92” x 11.92” (302.8mm x 302.8mm), and thickness 1/8” (3.2mm).
- Testing • **Tensile Strength:** ASTM D638.
 - **Flame-Resistant Properties:** ASTM-E-648-Critical Radiant Flux, Class 1.
 - **Coefficient of Friction:** ASTM-D-2047.
- Accessories/ Options • Available in a variety of colors and hues.
- Installation • Can be installed over above-grade concrete, wood or existing resilient flooring, steel decking and hard surface.
- Comparable Products • Not Applicable.

Color and Pattern Options

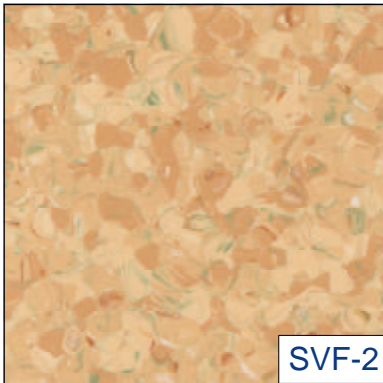
NEUTRAL



SVF-1

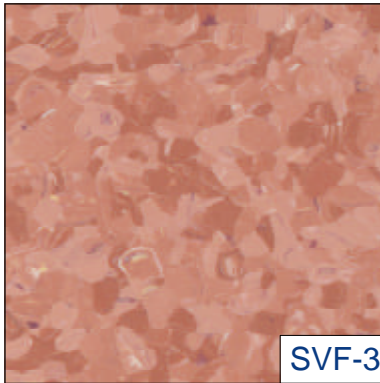
Armstrong, Medintech, #86476
Ixia Warm White

WARM ACCENTS



SVF-2

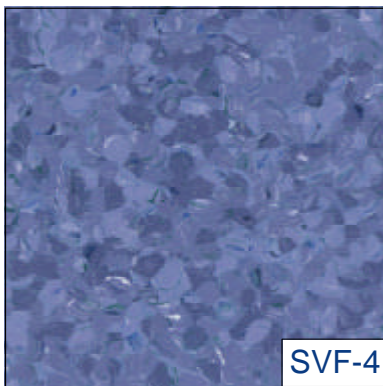
Armstrong, Medintech, #86443
Ginger



SVF-3

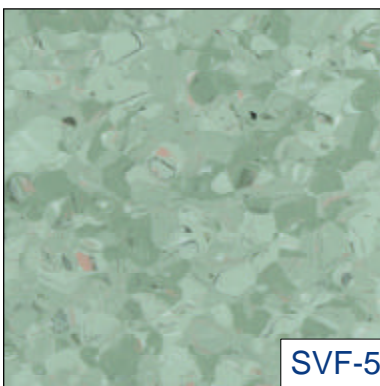
Armstrong, Medintech, #86446
Melon

COOL ACCENTS



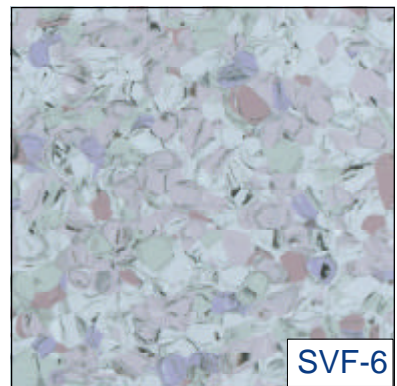
SVF-4

Armstrong, Medintech, #86461
Ultra Blue



SVF-5

Armstrong, Medintech, #86460
Moss



SVF-6

Armstrong, Medintech, #86477
Liatris Cool Gray

3.4.3.5 Specification Guidelines for Sheet Vinyl

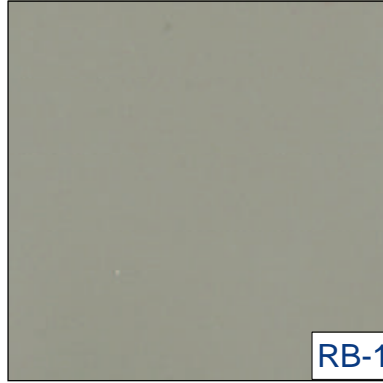
- Description/ Type/ Construction • Sheet vinyl flooring shall be composed of a homogenous, non-layered solid vinyl Type II composition flooring. Color and pattern are uniform and non-directional throughout the thickness of the wear layer.
- Dimensions • **Sheet Vinyl:** 6' wide (1.83m) to 90' (27.43m) in length, 80-mil (2.0mm) thickness minimum.
- Testing •
 - ASTM F 1913.
 - **Fire Test Data:** ASTM E 648 Critical Radiant Flux Class I - 0.45 watts/cm².
 - ASTM E 662 Smoke Developed 450 or less.
 - **Static Load Limit:** ASTM F 970 (modified) 750 psi (52.73 kg/cm²).
- Accessories/ Options • Provide vinyl rod products specified by the manufacturer of the resilient flooring intended for heat welding of seams. Color shall be compatible with field color of flooring as indicated.
- Installation •
 - All sheet vinyl specified shall be heat welded.
 - Use an integral cove wall base when possible, using the same joint sealing application technique of grooved, melted, or welded vinyl for an impervious waterproof seal.
 - Can be used in conjunction with resilient wall base (RB-1).
 - Heat weld seams to provide barrier against penetration of dirt and moisture.
 - Sheet vinyl may have "slippery when wet" concerns.
- Comparable Products • Mannington Biospec.

Color Options

NEUTRAL



Resilient Base



Johnsonite #32-Pebble

3.4.4.1 Specification Guidelines for Resilient Base

- Description/ Type/ Construction • Exclusive thermoplastic rubber formulation minimizes unsightly scuffing, scratching, fading and cracking.
- Dimensions • **Height:** 4" (10.16cm) recommended, also available in 6" (15.24cm).
 - **Length:** 100" (30.48m) or 120" (36.58m).
 - **Thickness:** 1/8" (3.175mm).
- Testing • ASTM F 1861, Standard Specification for Resilient Wall Base, Type TP, Group I (solid).
- Accessories/ Options • Resilient Contact Base Adhesive.
 - Resilient Wall Base Adhesive.
 - Pre-formed outside corners match wall base in color and size.
- Installation • Resilient Wall Base Adhesive will be used to install base to porous wall surfaces.
 - Contact Base Adhesive will be used to install base to a nonporous surface.
- Comparable Products • Roppe and Endura.

3.4.4.2 Transition Strips

Using Transition Strips

- Transition strips must be used where floor surface types change. There are several types of materials to consider that can be used, among which include rubber, vinyl and marble.
- Vinyl subflooring systems that are installed under the flooring can serve as alternate transition material to ease the transition from one surface to another.
- Transition materials not only ease the transition from one surface to another, but they provide a barrier against penetration of dirt and moisture and reduce the wear caused by wheeled traffic.
- Transition strips are to be installed in accordance with ADA specifications.
- Rubber and/or vinyl transition strips are generally specified in same color as resilient wall base.

3.4.4.3 Walk-Off Mats

Using Walk-Off Mats

- All-weather carpets and modules are manufactured in a variety of fibers, constructed to quickly trap mud, salt, dust and other debris from shoes and wheels.
- Walk-off mats used in entry ways reduce water build-up on flooring that would otherwise cause “slipping hazard”.
- Most are constructed from 100% solution-colored olefin with backing of water-permeable blended natural and synthetic rubbers and are available in smooth finish and non-skid backing.
- Walk-off mats also reduce noise caused by pedestrian traffic.
- Dark neutral colors are recommended.
- Pedimat and Pedigrid are the preferred products.

3.4.5 Flooring Comparison Matrix

	CARPET	CERAMIC TILE	QUARRY TILE	STONE	TERRAZZO	LINOLEUM	RUBBER FLOORING	VCT/ FLEXIBLE TILE	SHEET VINYL
Initial Cost	\$\$	\$\$\$	\$\$	\$\$\$	\$\$\$	\$\$\$	\$\$\$	\$	\$\$
Maintenance Cost per Year	\$\$	\$	\$	\$	\$	\$	\$	\$\$\$	\$
Composition	Type 6.6 solution-dyed commercial nylon	Unglazed porcelain	Natural Material	Natural Material	Epoxy resin mix chemical binder w/ quartz, marble and granite chips	Linseed oil, cork, wood flour, pine resins on jute backing, man-made environmentally friendly pigments	Rubber compound	Binders, filler pigments (some pigments contain metals), vinyl content is 30% maximum	Homogenous, non-layered solid vinyl
Durability	Fair	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Good	Good
Impact Resistance (Static Load Limit)	Good	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent
Hygienic Properties	Nylon to have antimicrobial protection (AATCC TM 174)	Inherently antimicrobial, inhibits the growth of many microorganisms	Inherently antimicrobial	Inherently antimicrobial	Inherently antimicrobial	Inherently antimicrobial, inhibits the growth of many microorganisms	No antimicrobial properties	No antimicrobial properties	Inherently antimicrobial, inhibits the growth of many microorganisms
Stain Resistance	Fair	Good	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent
Chemical Resistance									
High pH Solutions	Good	Excellent	Good	Good	Excellent	Good	Good	Excellent	Excellent
Solvents	Good	Excellent	Good	Good	Excellent	Excellent	Good	Good	Excellent
Acids	Good	Excellent	Good	Good	Excellent	Good	Good	Good	Excellent
	\$ = Least Expensive \$\$\$\$ = Most Expensive								

All maintenance requirements for flooring shall be in accordance with manufacturer's recommendations.

3.5 Finish Schedule Sample

FINISH SCHEDULE- PHASE ONE										SMITH GROUP 1825 EYE STREET, N.W., SUITE 250 WASHINGTON, DC 20006	
ROOM	ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING		REMARKS
					NORTH	SOUTH	EAST	WEST	FINISH	HEIGHT	
CLS	145	CLASSROOM	CPT-1	RB	PT-1b	PT-1b	PT-1b	PT-1b	ACT	8'-0"	
EXM	148	EXAM ROOM	VCT-1, VCT-2, VCT-3	RB	PT-1b	PT-1b	PT-1b	PT-1b	ACT	8'-0"	VCT-1 Field with accent
CFR	150	CONFERENCE ROOM	CPT-1	RB	PT-3b	PT-1b	PT-3b	PT-1b	GYP	8'-0"	
WTG	135	WAITING ROOM	CPT-1/ VCT-1	RB	PT-1b	PT-1b	WC-3	PT-1b	ACT	8'-0"	
NRS	154	NURSE STATION	VCT-1, VCT-2	RB	PT-1b	PT-1b	PT-1b	PT-1b	ACT	8'-0"	
OFF	157	OFFICE	CPT-1	RB	PT-3b	PT-1b	PT-1b	PT-1b	ACT	8'-0"	
DNG	158	DINING ROOM	CPT-1/ VCT-1	RB	PT-3b	PT-1b	PT-1b	PT-1b	GYP	8'-0"	
PAT	599	PATIENT ROOM	VCT-1, VCT-2, VCT-3	RB	WC-3	PT-1b	PT-1b	PT-1b	ACT	8'-0"	
COR	126	CORRIDOR	VCT-1, VCT-2, VCT-3	RB	PT-3b	PT-1b	PT-1b	PT-1b	ACT	8'-0"	
RST	138	RESTROOM	CFT-1	CTB	PT-1b/ CWT-1, 6, 3	PT-1b	PT-1b	PT-1b	GYP	8'-0"	Countertop SS-1/ PL-1
LBY	100	MAIN LOBBY	VCT-1, 2, 3/ CPT-1/ CPT-2 border	RB	PT-1b	PT-1b	PT-1b	PT-1b	GYP	8'-0"	CPT-2 accent border
TRT	140	TREATMENT ROOM	VCT-1, VCT-2, VCT-3	RB	PT-1b	PT-1b	PT-1b	PT-1b	GYP/ ACT	8'-0"	

Reference Appendix A of the Military Handbook 1191 for a complete listing of finish codes.

3.5 Index Codes

ACT.....	Acoustical Ceiling Tile	QT.....	Quarry Tile
CPT.....	Carpet	RB.....	Resilient Base
CFT.....	Ceramic Floor Tile	RF.....	Rubber Flooring
CTB.....	Ceramic Tile Base	SP.....	Specialty Paint
CWT.....	Ceramic Wall Tile	SS.....	Solid Surface
CC.....	Cubicle Curtains	ST.....	Stone
ET.....	Epoxy Terrazzo	SVF.....	Sheet Vinyl Flooring
FT.....	Flexible Marble Tile	VCT.....	Vinyl Composition Tile
GRT.....	Grout	WC.....	Wallcovering
GYP.....	Gypsum Board	VWB.....	Vinyl Wall Border
LF.....	Linoleum Flooring	VWP.....	Vinyl Wall Protection
PL.....	Plastic Laminates	WM.....	Walk-Off Mat
PT.....	Paint		

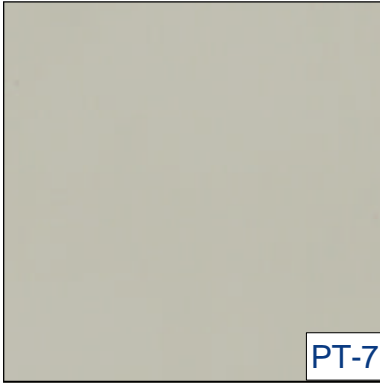
For paint and stain, one additional level of coding is necessary to define the finish. (Typical 60 Gloss Meter ranges are shown in parentheses).

- a** Flat (Below 5)
- b** Eggshell (5-20)
- c** Satin (20-35)
- d** Semi-Gloss (35-65)
- e** Epoxy

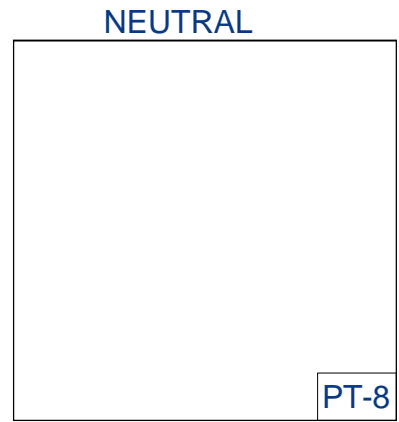
Color Options



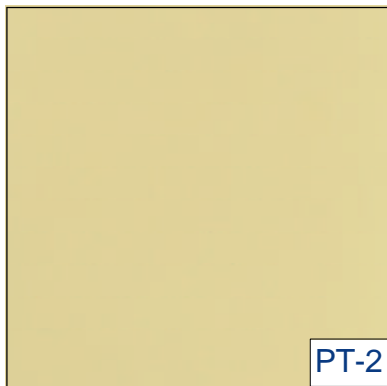
ICI, MP#40YY 65/061 Canvas Cloth



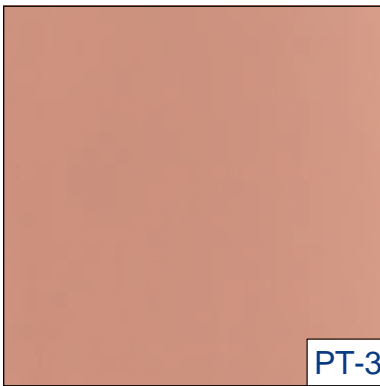
ICI, MP#50YY 47/053 Pewter Grey



ICI, MP#98YY 82/022 White High- Hiding RM (white)

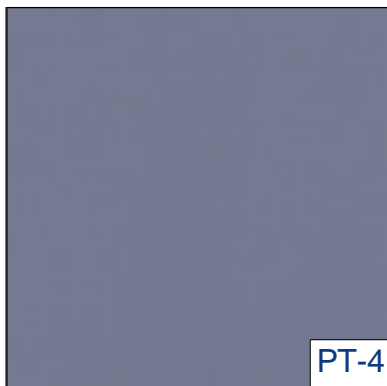


ICI, MP#30YY 63/231 Kansas Corn

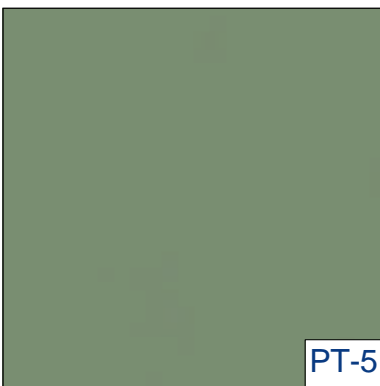


ICI, MP#50YR 34/228 French Country

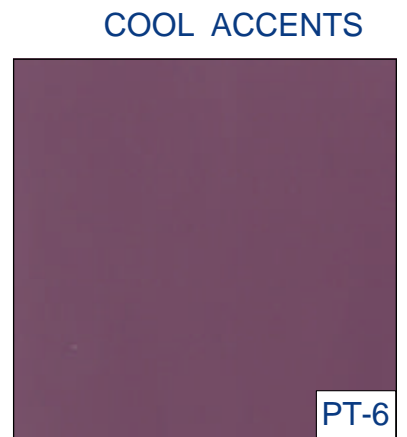
WARM ACCENTS



ICI, MP#50BB 26/130 Windmill Blue



ICI, MP#30GY 30/100 Main Street U.S.A.

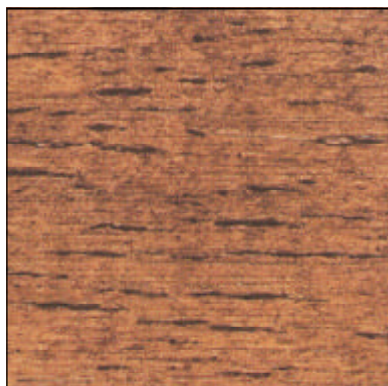


ICI, MP#10RR 16/156 Glorious Plum

3.6.1 Specification Guidelines for Paint

- Description/ Type/ Construction • Specially formulated paints provide easy application, good coverage and a durable uniform finish. May be used over properly prepared drywall, plaster masonry, metal and wood.
- Dimensions • Not Applicable.
- Testing • **Dry Opacity (Hiding):** ASTM D 2805.
 • **Scrub Test:** ASTM D 2486.
 • **Washability:** ASTM D 3450.
- Accessories/ Options • Variety of finishes and colors are available.
 • Eggshell finish on walls.
 • Flat finish on ceilings.
 • Semi-gloss finish on door frames.
 • Epoxy paints on ceilings in the operating rooms.
 • Architectural details are recommended to remain neutral in color.
 • Primers.
- Installation • One (1) coat of primer and two (2) coats top coat paint.
 • Crash and corner guards should be used to protect painted Corridors.
- Comparable Products • Sherwin-Williams.

Color Options



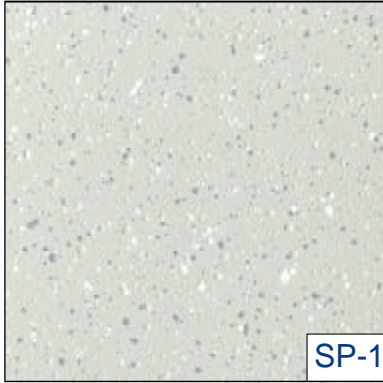
ICI, Wood Pride Interior, Cherry
on Birch

3.6.2 Specification Guidelines for Interior Stain

- Description/ Type/ Construction** • Interior oil wood finish stain that contains no lead and is composed of linseed oil resin and transparent dyes; for use on bare wood surfaces.
- Dimensions** • Not Applicable.
- Testing** • **Federal Paint Specification:** TT-S-711C.
- Accessories/ Options** • Variety of colors are available. Tinting available to match job.
- Installation** • Follow manufacturer's directions for surface preparation and application.
- Appropriate application for doors, door trim and window trim in high-end locations such as Command Suites and Main Lobbies.
- Comparable Products** • Sherwin-Williams.

Color Options

NEUTRAL



Scuffmaster, #G2122068

3.6.3 Specification Guidelines for Specialty Paint

- Description/ Type/ Construction • Specialty paint provides an exceptionally durable, multi-color wall treatment, available in attractive colors and pattern styles.
- Dimensions • Not Applicable.
- Testing •
 - **Fire Rating:** ASTM E-84-91a.
 - **Scrub Test:** ASTM D-2486.
 - **Chemical Resistance:** ASTM D-1308.
 - **Mildew/ Fungus:** ASTM D-3274.
- Accessories/ Options • Graffitimaster- stain remover.
- Installation •
 - Excellent adhesion to new drywall, previously painted surfaces, masonry or ceramic tile/ glazed block.
 - Resistant to staining, low VOC's, and easy touch-up/repairability.
- Comparable Products • Not Applicable.

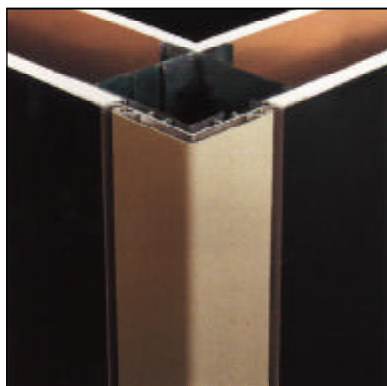
Color Options



Acrovyn Interiors Color Selector,
#262 Driftwood, Pebblette
Texture



Acrovyn Interiors Color Selector,
#194 Chinchilla, Pebblette
Texture



Acrovyn Corner Guard, #FS-10/
20



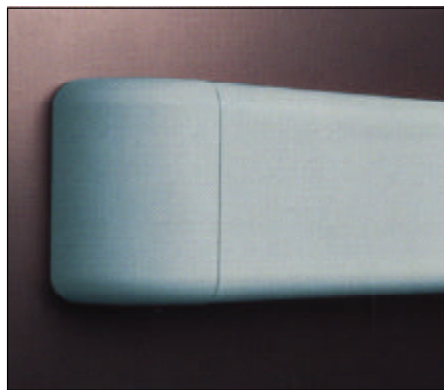
Acrovyn Crash Rail, #SCR-64

NEUTRAL

3.6.4 Specification Guidelines for Wall Protection

Description/ Type/ Construction	<ul style="list-style-type: none"> Wall Protection materials are extremely tough, durable acrylic-PVC alloy plastics which protect walls, doors and outside corners. The color is integral, minor scratches are inconspicuous. Wall Protection includes semi-rigid sheets, corner guards and crash rails which resist high-impact scuffs and gouges, and should be integral to hand-rails and other wall protection systems.
Dimensions	<ul style="list-style-type: none"> Wall protection sheets: available in variable heights: 4' x 8' (1.22m x 2.44m), 4' x 10' (1.22m x 3.05m). Crash Rail: 8" (203mm) height x 1.25" (32mm) width. Aluminum clips 16" o.c. Corner Guard: 3" (76mm) length, 90° angle, with flush mounted retainer.
Testing	<p><u>Wall Protection Sheets:</u></p> <ul style="list-style-type: none"> Heat Deflection Temperature: ASTM D-648. Class A fire rated: ASTM E-84 Tunnel Test. Tensile Strength: ASTM D-638. <p><u>Crash Rails and Corner Guards:</u></p> <ul style="list-style-type: none"> NFPA 101. Fire Test Data: Smoke Developed less than 450, Flame Spread of 25 or less in accordance with ASTM E 84. Assembly must meet required fire rating for wall protection type, coordinate rating of corner guard with wall section type. Comply with ADA requirements, Antimicrobial.
Accessories/ Options	<ul style="list-style-type: none"> The recommended profile of Wall Protection sheets to be used is the Pebblette texture. Color matched caulking, adhesives.
Installation	<ul style="list-style-type: none"> Sheets to be installed below chair/ handrails, can be used at head wall in Patient Rooms. Materials need to be climatized before being installed. The preferred installation for Corner Guards is flush mounted. Install protective wall materials in accordance with the manufacturer's written instructions.
Comparable Products	<ul style="list-style-type: none"> IPC and Koroseal.

Color and Pattern Options



Acrovyn, Handrail #HRB-4C



Acrovyn, Handrail #HRBW-10C,
Wood- #054 Cherry on Beech

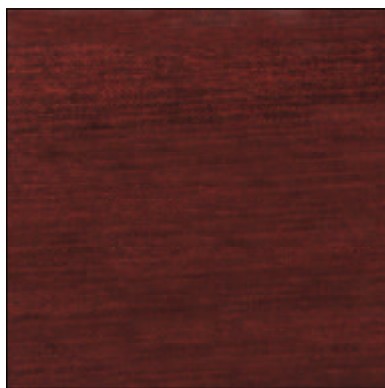
NEUTRAL



Acrovyn Interiors Color Selector,
#262 Driftwood, Pebblette
Texture



Acrovyn Interiors Color Selector,
#194 Chinchilla, Pebblette
Texture



Acrovyn Renaissance Wood
Collection, #054 Cherry on
Beech (*wood finish for Handrail*)

3.6.5 Specification Guidelines for Handrails

Description/ Type/ Construction	<ul style="list-style-type: none"> Handrails are wall protection systems that come in a variety of styles and finishes and should conform to current ADA requirements. Some handrails have continuous aluminum retainers and full-length vinyl bumpers for medium- to high-impact areas. Others are designed for low- to medium-impact areas and are comprised of materials such as solid wood with integrated flexible bumpers, and round-grip rails with continuous aluminum retainers. Handrails should coordinate with other wall protection systems.
Dimensions	<ul style="list-style-type: none"> Height: 5.5" (139.7mm) or 6.25" (158.75mm). Width: 1.5" (38.1mm). Clearance from Wall: 1.5" (38.1mm).
Testing	<ul style="list-style-type: none"> NFPA 101. Fire Test Data: Smoke Developed less than 450, Flame Spread of 25 or less in accordance with ASTM E 84, Class A. Comply with ADA requirements. Antimicrobial.
Accessories/ Options	<ul style="list-style-type: none"> End and corner caps available in patented foam cushion or rigid plastic. Handrails should be neutral in color. Connector plates available for certain models. Handrail available in solid wood, Cherry finish recommended.
Installation	<ul style="list-style-type: none"> Handrail should be installed accurately in location, alignment and elevation on walls. Install handrail system in accordance with the manufacturer's written instructions.
Comparable Products	<ul style="list-style-type: none"> Not Applicable.

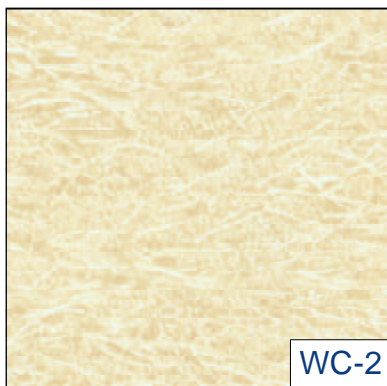
Color and Pattern Options

NEUTRAL

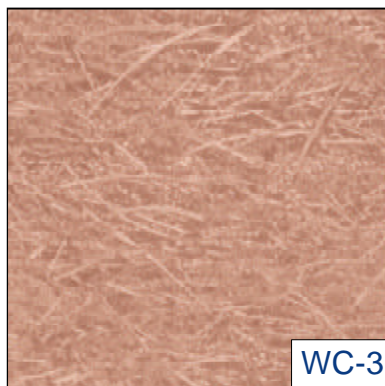


Eykon Wallsource, Type II,
Oyster YA1401

WARM ACCENTS

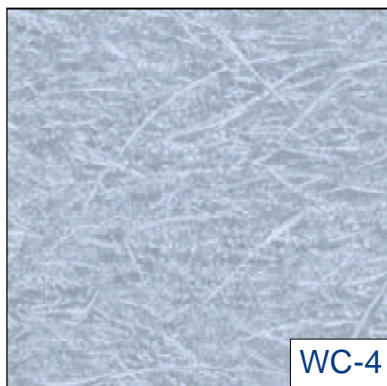


Eykon Wallsource, Type II, Maize
YA1404

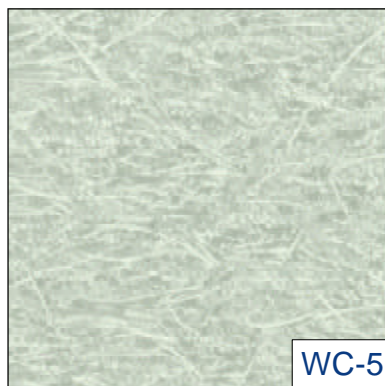


Eykon Wallsource, Type II,
Terracotta YA1409

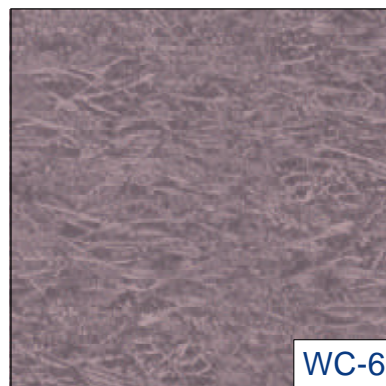
COOL ACCENTS



Eykon Wallsource, Type II,
Copen YA1413



Eykon Wallsource, Type II,
Celadon YA1411



Eykon Wallsource, Type II,
Blueberry YA1420

3.6.6 Specification Guidelines for Wall Covering

- Description/ Type/ Construction • 100%, type II, vinyl wallcovering, 54” wide, random match.
- Dimensions • **Sheet:** 54” wide (137.16cm), Type II wallcovering.
- Testing • **Federal Specification:** CCC-W-408C.
• **Fire Test Data:** ASTM-E-84-91.
- Accessories/ Options • Vinyl Borders as specified on pages 62-63.
- Installation • Walls should be dry, smooth, firm and free of dirt, grease, uniform in color and normally absorbent before installing wallcovering.
 - Use heavy-duty, clay-based, pre-mixed vinyl adhesive; do not dilute.
 - Need to add corner and crash guards when using in Corridors.
 - Follow manufacturer’s application guidelines when installing wallcovering.
- Comparable Products • Not Applicable.

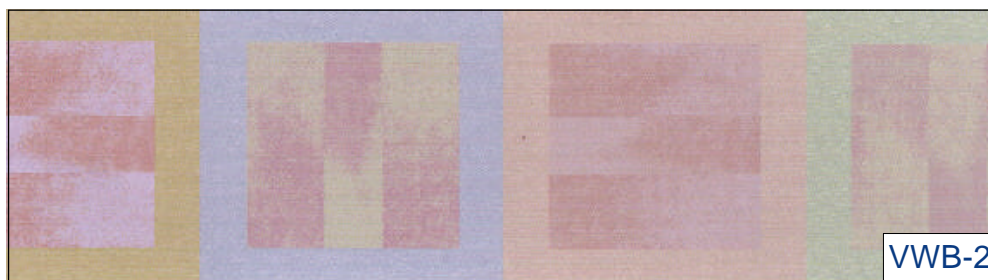
Color and Pattern Options

WARM ACCENTS



Maharam, Calando Border 395260, #003 Arroyo

COOL ACCENTS



Maharam, Calando Border 395260, #001 Sky

3.6.7 Specification Guidelines for Wall Covering- Vinyl Borders

- Description/ Type/ Construction • 100% vinyl coated wall paper to be coordinated with wall covering or paint specified for color schemes.
- Dimensions • Available in 5 yard rolls (4.57m).
 - **Width:** Borders are 8" wide (20.32cm).
 - **Repeat:** 8"V (20.32cm), 32"H (81.28cm).
- Testing • **Lightfastness:** Class 4 minimum at 40 hours.
 - **Class A fire rated:** ASTM E 84 tunnel test.
 - **Static Load Limit:** ASTM F 970 (modified) 250 psi (17.6 kg/cm²).
- Accessories/ Options • Not Applicable.
- Installation • Use in conjunction with coordinating wallcovering or paint color scheme. To be installed at ceiling.
 - Suggested locations for use of vinyl borders are Patient Rooms, Patient Areas and Day Rooms.
- Comparable Products • Not Applicable.

Color and Pattern Options

NEUTRAL



Daltile, Permabrites, #6401
Gloss White (white)



Daltile, Permabrites, #6440 Gloss
Suede Gray

WARM ACCENTS



Daltile, Permabrites, #6436
Gloss Spice

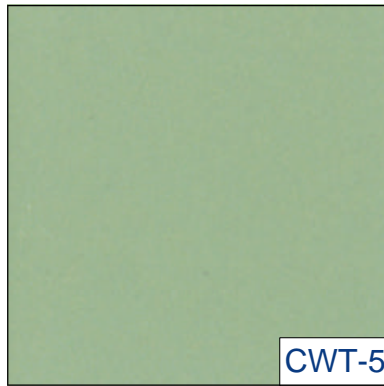


Daltile, Permabrites, #6449 Gloss
Cotto

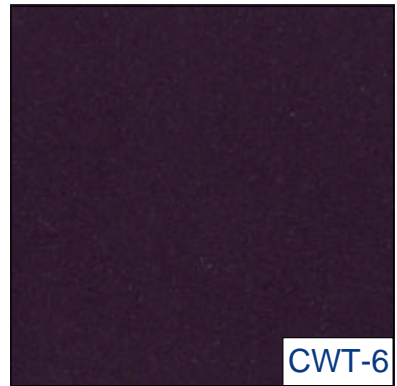
COOL ACCENTS



Daltile, Permabrites, #6448 Gloss
Blue Moon



Daltile, Permabrites, #6450 Gloss
Bottle Green



Daltile, Permabrites, #6446 Gloss
Purple

3.6.8 Specification Guidelines for Ceramic Wall Tile

- Description/ Type/ Construction • Made of glazed porcelain (gloss). Color is consistent throughout and is suitable for a wide range of applications.
- Dimensions • **Tile:** 2" (50.8mm) Wide x 2" (50.8mm) Length, and thickness of 0.25" (6.35mm).
- Testing • All tile to comply with ANSI A137.1 for all types, compositions and grades of tile.
 - **Static Coefficient of Friction:** ASTM C 1028.
 - **Water Absorption:** shall be 0.5 maximum ASTM C 373.
- Accessories/ Options • Bullnose and Outside Cove Corner.
- Installation • Install ceramic tile with epoxy grout in neutral color to eliminate the need for a sealant.
 - Neutral color grout in a light tone is preferred for wall applications.
 - Field color to be "light" neutral with accent color tiles.
 - Installation of ceramic wall tiles will be in accordance with TCA-01.
- Comparable Products • American Olean.

3.6.9 Wall Finish Matrix

	PAINT	SPECIALTY PAINT	WALL PROTECTION SHEETS	VINYL WALL COVERING	WALL TILE
Initial Cost	\$	\$\$\$	\$\$\$\$	\$\$	\$\$\$\$
Maintenance Cost per Year	\$	\$\$	\$	\$\$	\$
Composition	Vinyl-Acrylic Resin. Titanium dioxide and extender pigments	Water-based two-part urethane/ acrylic and pure urethane	Polyvinyl Chloride (PVC)	Type II Vinyl	Gloss glazed ceramic
Durability	Fair*	Good*	Excellent	Good*	Excellent
Stain Resistance	Good	Excellent	Excellent	Excellent	Excellent
	\$ = Least Expensive \$\$\$\$ = Most Expensive				
	*Requires wall protection (i.e. corner guards)				

All maintenance requirements for wall finish shall be in accordance with manufacturer's recommendations.

Color and Pattern Options



Levolor, Riviera 1", 817 Blush Gray,
DustGuard

3.7.1 Specification Guidelines for Mini Blinds

- Description/ Type/ Construction** • The headrail is constructed from thick roll-formed corrosion-resistant Tomized steel. The slats are high-grade magnesium aluminum alloy. Blinds are to be the same (neutral) color as the window trim.
- Dimensions** •
 - **Slat size:** 1” (2.54cm) mini blinds are to be used.
 - Mini blinds are special ordered according to window size.
- Testing** • Blinds to conform with NFPA-701, Class A.
- Accessories/ Options** •
 - Guardian Tilter disengaging clutch mechanism to eliminate over rotation of the tilt wand, protecting the tilt mechanism against breakage.
 - Available with a continuous loop cord.
 - Control positions come in two options:
 - 1) right, and
 - 2) left, and need to be decided before ordering.
- Installation** •
 - Installation can be an inside mount or an outside mount depending on the depth available in the window frame. Inside mount is the preferred installation.
 - Installation of valances should cover the blind’s headrail, but not interfere with the opening and closing of the blinds.
 - Mini Blinds are recommended for Administrative spaces, Clinics and Waiting Areas.
- Comparable Products** • Springs Window Fashions: Bali, Graber.

Vertical Blinds



3.7.2 Specification Guidelines for Vertical Blinds

- Description/ Type/ Construction • Vertical blinds are constructed of PVC and available in a variety of colors and textures. PVC backing is recommended when choosing fabric finishes. Blinds are to be the same (neutral) color as the window trim.
- Dimensions • Blinds are special ordered according to window size.
- Testing • **Fire Test Data:** NFPA-701, Class A.
- Accessories/ Options • Control positions come in two options:
 - 1) right, and
 - 2) left, and need to be decided before ordering.
 - Available with or without valances.
- Installation • Allow the right amount of space for stacking of vertical blinds
 - 1) one way left,
 - 2) split draw, and
 - 3) one way right.
 - Installation brackets are ceiling or wall mounted, an additional center bracket may be required for larger blinds to prevent sagging.
 - Vertical blinds are recommended for Command Suites, Consultation Rooms, Waiting Rooms and Patient Rooms.
- Comparable Products • Springs Window Fashions: Bali, Graber.

Drapery



3.7.3 Specification Guidelines for Drapery

- Description/ Type/ Construction** • Fabric window treatments are not purely decorative; they also control glare, provide privacy, decrease winter heat loss and summer heat gain, and absorb room noise.
- Dimensions** • Draperies are special ordered according to window size.
- Testing** •

 - **Flammability:** ASTM E-84, NFPA Bulletin 701, California TB117 Sec. E, Class A adhered.
 - **Abrasion:** 50,000 Double rubs.
 - **Tensile Strength:** 25 lbs. each direction.
- Accessories/ Options** • Control options also vary:

 - 1) one way,
 - 2) two way,
 - 3) multiple,
 - 4) hand operated, and
 - 5) cord operated.
 - Decorative rods, cornices and valances.
- Installation** •

 - Draperies are recommended to be pinch pleat and double return hem and double bottom hem.
 - Installation brackets are ceiling or wall mounted, an additional center bracket may be required to prevent sagging.
 - Allow space for stacking of drapes:
 - 1) one way left,
 - 2) split draw, and
 - 3) one way right.
 - Draperies and decorative window treatments should be limited to Conference Rooms and Command Suites.
 - When convectors are located directly below windows, draperies should not over ride convectors.
 - The number of fabric panels needed to span the window is determined by the desired fullness. One hundred percent fullness is 2 times the width; 150 percent fullness is 2.5 times the width. Some sheers may require 200 percent fullness of 3 times the width.
- Comparable Products** • Not Applicable.

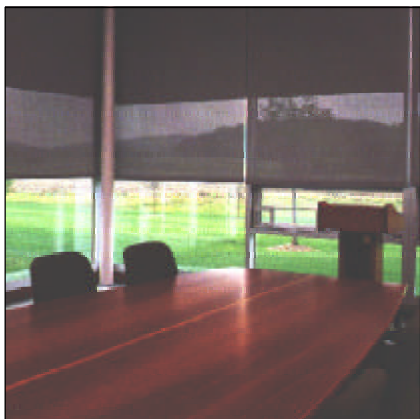
Cornice



3.7.4 Specification Guidelines for Cornices

- Description/ Type/ Construction • Cornices are a custom window treatment typically constructed from wood and covered with fabric or the wood has a stain finish. Cornices can be used to cover the headrails of blinds and drapery hardware and give a finished look to the window.
- Dimensions • Cornices are special ordered according to window size.
- Testing •
 - **Flammability:** Class A material required.
 - **Abrasion:** Determined by material chosen.
 - **Tensile Strength:** Determined by material chosen.
- Accessories/ Options •
 - Custom Fabric Finish.
 - Wood Stain Finish.
 - Valances to match Custom Blinds Finish.
- Installation •
 - Brackets are ceiling or wall mounted, an additional center bracket may be required to prevent sagging.
 - Cornice treatments are appropriate in Conference Rooms, Command Suites, Waiting Areas and Patient Rooms.
- Comparable Products • Not Applicable.

Color and Pattern Options



MechoShade's ThermoVeil

3.7.5 Specification Guidelines for Shades

- Description/ Type/ Construction**

 - The ThermoVeil shade cloth is a technologically advanced woven shade cloth in 2 non-directional 2 x 2 basket-weave patterns. The weave provides a uniform scrim effect at the window wall with appropriate level of sun control. Shades are to be the same (neutral) color as the window trim.
- Dimensions**

 - Shades are special ordered according to window size.
- Testing**

 - **Fire Test Data:** Shade cloth shall meet the requirements of the Federal Specification CCC-C-521E for fire retardancy, NFPA 701 Small-Scale and/or NFPA 701 Large-Scale requirements (Class A).
 - Antimicrobial without topical treatment.
- Accessories/ Options**

 - Chain driven manually operated system for interior shading.
 - ElectroShade electronically operated.
 - Darker mesh color aids in better inside to outside viewing.
- Installation**

 - Valances should be installed at the top of the shade to hide headrail when space permits.
 - Shades can be used in Patient Rooms, Dining Areas, Waiting Areas and Offices.
- Comparable Products**

 - Not Applicable.

Quality of Lighting

Proper lighting creates a comfortable, nurturing, and low-stress treatment and rehabilitation space, contributing to a patient's positive mental attitude in an atmosphere conducive to convalescence. Improvements in lighting and lighting levels also improves workers productivity. Three important quality issues to consider are:

Glare:

Perhaps one of the most important factors when choosing lighting is glare. Glare is the sensation caused by lighting that is too bright, causing visual discomfort and reducing productivity in the space by making wayfinding difficult.

Uniformity:

The uniformity of light fixtures is a quality issue that addresses how evenly the light spreads over a task area. Although a room's average illuminance may be appropriate, two factors may interfere with the uniformity: 1) spacing criteria, and 2) unbalanced light distribution.

Color Rendition:

The ability to see colors properly is another aspect of lighting quality. Light sources vary in their ability to accurately reflect true colors and establish contrast. Contrast is the relationship between the lighting of an object and its background. Consistency in light color from room to room is critical.

Establishing the proper levels of lighting in a facility is to be in accordance with the *Military Handbook 1191- Section 10.5*.

3.8.1 Lighting- Direct Overhead



Fluorescent Parabolic 2 x 2 Light: Standard 2 x 2 recessed fluorescent lamp with 3” deep aluminum parabolic louver.



Fluorescent 2 x 4 Light: Standard 2 x 4 recessed fluorescent lamp with milk-white translucent acrylic lens.

3.8.2 Lighting- Patient and Task



Patient Lighting: Combines all of the lighting functions in a patient's room in a single fixture that is ceiling mounted. This provides ambient, reading and examination lighting without possible obstructions around medical equipment.



Task Lighting: Under the shelf fixtures that provide attractive, unobtrusive lighting for work surfaces.

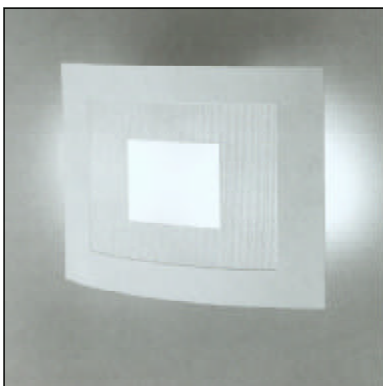
3.8.3 Lighting- Recessed and Decorative



Recessed Lighting: Decorative directional lights provide long, powerful throws of light from higher ceilings.



Decorative Recessed Lighting: Decorative downlights combine a useful, well-shielded beam with an elegant glow at the ceiling.

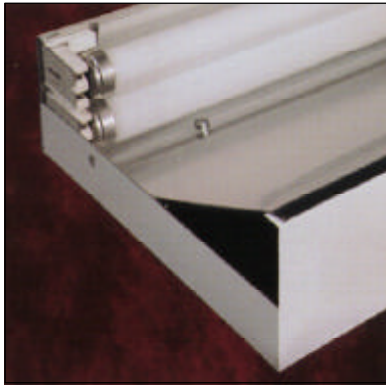


Decorative Wall Sconce: Produces light that is soft, warm and diffused in a variety of styles. These decorative fixtures are available with either an incandescent or Compact Fluorescent light.

3.8.3 Lighting- Recessed and Decorative



Fluorescent 2 x 2 Square with Mesh Shield: Architectural in style; provides shadowless balanced brightness.



Cove Lighting: Fixtures are available in 3', 4', 6' and 8' lengths. Cove lighting offers totally concealed indirect lighting for Lobbies, private Offices, Conference Rooms, Corridors and Office spaces with systems furniture and can be mounted as close as 11" from the ceiling.

3.9 Manufacturer's Summary

Acrovyn Interiors

c/o APEM

Wall Protection, Handrails

Contact: Edward Mikula

2838 Coxneck Road

Chester, MD 21619

877-273-6462/ 410-643-7368 Fax

<http://www.c-sgroup.com>

American Olean/

J. J. Haines & Company Inc.

Ceramic Floor Tile, Quarry Tile,

Ceramic Wall Tile

Contact: Vikki Youravich

6950 Aviation Boulevard

Glen Burnie, MD 21061-2529

800-638-1406 x2022

<http://www.americanolean.com>

Armstrong World Industries, Inc./

Continental Flooring

Acoustical Ceiling Tile, Linoleum,

Vinyl Composition Tile, Sheet Vinyl

Contact: Marsha Bickler

5111 N. Scottsdale Road, Suite 208

Scottsdale, AZ 85250

800-825-1221 x241/ 480-281-1341 Fax

#GS-07F-0429J *Ceiling*

#GS-27F-0505H *Flooring*

<http://www.armstrong.com>

Built-Right Corporation/

ENDURA

Rubber Flooring, Resilient Base

Rubber Flooring Division

Contact: David Akins

16310 Highway 15 North

Ripley, MS 38663

662-837-9119 x269

#GS-27F-0012J

<http://www.endura-flooring.com>

CORIAN/ Carapace

c/o Command Surfaces

Solid Surface

Contact: Matt Thomas

8705-C Bollman Place

Savage, MD 20763

866-899-9977/ 800-938-6322 Fax

<http://www.corian.com>

DALTILE Corp.

Ceramic Floor Tile, Ceramic Wall Tile

7834 C.F. Hawn Frwy.

Dallas, TX 75217

800-933-8453

<http://www.daltile.com>

Eykon Wallsource

Wall Covering

Contact: Kit Crum

5675 East Shelby Drive

Memphis, TN 38141

800-222-7866 x1105/ 901-366-0447 Fax

<http://www.eykon.net>

Forbo Industries

Linoleum

Humboldt Industrial Park

P.O. Box 667

Hazleton, PA 18201

800-842-7839/ 570-450-0258 Fax

#GS-27F-3052D

<http://www.forbo-industries.com>

Fountainhead/

Allied Plywood

Solid Surface

Contact: Christina Slayton

6820 Commercial Drive

Springfield, VA 22151

800-733-8480 x3020/ 703-642-0032 Fax

<http://www.alliedplywood.com>

**Fritz Industries, Inc./
Superior Products, Inc.**
Flexible Tile
Contact: Lynn Jordan Abramson
7575 Washington Boulevard
Elkridge, MD 21075-6403
800-283-7575/ 800-799-1515 Fax
<http://www.superiorcommercial.com>

**GOELST/
UNICOR Partnership**
Casework
Contact: Anna Schwartz
4400 Roland Avenue
Baltimore, MD 21210
410-366-3210/ 410-366-1519 Fax
UNICOR Contract #4600000340
#GS-27F-0021L
<http://www.goelst.net>

ICI Dulux Paints
Paint, Interior Stain
925 Euclid Avenue
Cleveland, OH 44115
800-984-5444
#GS-10F-7490A
<http://www.icipaints.com>

InPro Corporation/ IPC
Wall Protection
S80 W18766 Apollo Drive
Muskego, WI 53150
800-222-5556/ 888-715-8407 Fax
#GS-07F-0127L
<http://www.inprocorp.com>

Interface
Carpet
1503 Orchard Hill Road
P.O. Box 1503
LaGrange, GA 30241
800-336-0225/ 706-884-5014
#GS-27F-0002A
<http://www.interfaceinc.com>

Johnsonite
Resilient Base
16910 Munn Road
Chagrin Falls, OH 44023
800-899-8916/ 440-543-8920 Fax
#GS-27F-0017L
<http://www.johnsonite.com>

**Koroseal Wall Protection Systems/
RJF International**
Wall Protection
3875 Embassy Parkway
Fairlawn, OH 44333
800-628-0449/ 330-668-7703 Fax
<http://www.koroguard.com>

Levolor
Mini Blinds
Contact: Diane Romans
4110 Premier Drive
High Point, NC 27265
800-828-8799 x5638
<http://www.levolor.com>

**Mannington Commercial
Mannington Mills, Inc.**
Vinyl Composition Tile, Sheet Vinyl
Contact: Darlene Moorehead
1844 U.S. Highway 41 South
Calhoun, GA 30701
800-241-2262 x6313/ 706-625-6210 Fax
#GS-27F-8442A
<http://www.mannington.com>

Maharam
Cubicle Curtains, Vinyl Borders
Contact: Lisa Buchanan
5999 Stevenson Avenue, Suite 410
Alexandria, VA 22304
703-461-7733/ 703-461-7807 Fax
<http://www.maharam.com>

3.9 Manufacturer's Summary

MAPEI Corp.

Tile Grout

1144 E. Newport Center Drive
Deerfield Beach, FL 33442
800-668-1212/ 954-246-8800 Fax
<http://www.mapei.com>

MechoShade/

c/o Arndt & Arndt

Window Shades

Contact: Chris Arndt
The Victoria Building
20 Courthouse Square, Suite 211
Rockville, MD 20850
301-294-1155/ 301-294-3174 Fax
#GS-03F-0008J
<http://www.mechoshade.com>

Nevamar/

International Paper

Plastic Laminates

8339 Telegraph Road
Odenton, MD 21113
800-638-4380
<http://www.nevamar.com>

Pedisystems/

Construction Specialties, Inc.

Walk-Off Mats

P.O. Box 380
Muncy, PA 17756
888-834-4455
<http://www.c-sgroup.com>

Roppe Corporation/

Continental Flooring

Rubber Flooring, Resilient Base

Contact: Marsha Bickler
5111 N. Scottsdale Road, Suite 208
Scottsdale, AZ 85250
800-825-1221 x241/ 480-281-1341 Fax
#GS-27F-0505H
<http://www.roppe.com>

Scuffmaster/

Wolf-Gordon, Inc.

Specialty Paint

33-00 47th Avenue
Long Island City, NY 11101
800-347-0550/ 718-361-1090 Fax
<http://www.wolf-gordon.com>

Sherwin-Williams Company

Paint, Interior Stain

Contact: Mark Gianetta
101 Prospect Avenue, N.W.
Cleveland, OH 44115-1075
800-331-7979/ 216-566-1392 Fax
#GS-10F-0004J
<http://www.sherwin-williams.com>

Springs Industries, Inc./

Springs Window Fashions

(Bali, Graber)

Mini Blinds, Vertical Blinds

P.O. Box 70
Fort Mill, SC 29716
800-221-6352
<http://www.springs.com>

TEC Specialty Products, Inc.

Tile Grout

315 S. Hicks Road
Palatine, IL 60067
800-TEC-9002/ 800-952-2368 Fax
<http://www.tecspecialty.com>

USG Interiors, Inc.

Acoustical Ceiling Tile

125 South Franklin Street
Chicago, IL 60606
877-874-4200
<http://www.usg.com>

Wilsonart International

Plastic Laminates

2400 Wilson Place
Temple, TX 76503
800-433-3222/ 254-207-3209 Fax
<http://www.wilsonart.com>